



DIVE
AIR SYSTEMS AND STOWAGE
(5AS)
Checklist

UPDATED December 2012

SAFETY REVIEW ITEMS - AIR SYSTEMS AND STOWAGE

A. COMPRESSORS

1. (A1B0) HAVE FINAL STAGE COMPRESSOR RELIEF VALVES BEEN TESTED DURING THE LAST 36 MONTHS AND TAGGED?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

2. (A1D0) ARE SAFETY PRECAUTIONS FOR COMPRESSORS POSTED IN VIEW OF ALL OPERATORS?

REF: OPNAVINST 5100.19 Series

OPNAVINST 5100.23 Series

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

3. (A1E0) IS THE CORRECT COMPRESSOR OIL BEING USED? (1) 2190 TEP FOR NORMAL OPERATION OR 2135 TH FOR COLD WEATHER (2) SYNTHETIC BASED OIL THAT IS MANUFACTURER RECOMMENDED. IF NOT DOES THE COMMAND HAVE A WAIVER FROM NAVSEA OR NAVFAC?

REF: U.S. Navy Dive Manual

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

4. (A1F0) ARE INTERSTAGE COOLING TUBING AND CRANKCASE FINS CLEAN AND IN GOOD CONDITION?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

5. (A1H0) ARE PULLEY/FANGUARDS INSTALLED ON THE AIR COMPRESSOR (S)?

REF: NAVSEA 10560, 26 JUL 04 Sec 5.2, note 4

Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

6. (A1I0) HAVE APPLICABLE FILTER HOUSINGS BEEN TESTED AND TAGGED AS REQUIRED?

REF: Top Side Tech Notes
Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

7. (A1J0) IS THE COMPRESSOR INTAKE LOCATED SO THAT THERE IS NO DANGER OF TAKING IN EXHAUST FUMES FROM THE ENGINE, STACK GAS OR OTHER CONTAMINATED AIR FROM LOCAL SOURCES?

REF: U.S. Navy Dive Manual

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

8. (A1L0) HAVE ALL APPLICABLE MOISTURE SEPARATORS BEEN INSPECTED AND TAGGED?

REF: Top Side Tech Notes
Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

B. FLASKS & TANKS

9. (A2B0) HAVE ALL VOLUME TANKS/RECEIVERS BEEN VIP INSPECTED IAW PMS?

REF: Top Side Tech Notes
Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

10. (A2C0) DO FLASKS NOT PERMANENTLY MARKED WHEN CERTIFIED HAVE TAG AFFIXED TO FLASKS WITH REQUIRED INFORMATION?

REF: Top Side Tech Notes
Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

11. (A2E0) ALL FLASKS (MILSPEC, ASME AND DOT) BEEN INSPECTED, TESTED AND TAGGED IAW NAVSEA/NAVFAC PROCEDURES.

REF: Top Side Tech Notes
Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

C. GUAGES & VALVES

12. (A3A0) HAVE ALL CRITICAL PRESSURE GAGES BEEN CALIBRATED IN THE PAST 24 MONTHS?

REF: Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

13. (A3B0) ARE ALL GAUGES LABELED AND NUMBERED?

REF: U.S. Navy Dive Manual

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

D. AIR SYSTEMS

14. (A3D0) ARE ALL VALVES WHICH INFLUENCE DIVER'S AIR SUPPLY TAGGED TO READ"DIVER'S AIR DO NOT TOUCH"?

REF: U.S. Navy Dive Manual

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

15. (A3F0) HAVE ALL SYSTEM RELIEF VALVES BEEN TESTED DURING THE LAST 36 MONTHS AND TAGGED?

REF: Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

16. (A4D0) DO THE OP'S AND EP'S REFLECT VALVE LINE-UP?

REF: NAVSEA SS521-AA-MAN-010

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

17. (A5H0) IS PIPING PROPERLY COLOR CODED AND LABELED WITH DIRECTION OF FLOW ARROWS?

REF: NAVSEA SS521-AA-MAN-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

18. (A5I0) PIPING AND TUBING IS NOT SUPPORTING HEAVY COMPONENTS SUCH AS REGULAR LINE VALVES, RELIEF VALVES, CHECK VALVES, MOISTURE SEPERATORS AND FILTERS.

REF: NAVSEA SS521-AA-MAN-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

19. (A5I1) IS ORCA CERTIFIED WITH SSDS?

REF: NAVSEA SS521-AA-MAN-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

E. CHARGING SYSTEM

20. (A7A0) ARE ALL CHARGING WHIPS SECURED TO PREVENT WHIPPING?

REF: NAVSEA S6430-AE-TED-010

U.S. Navy Dive Manual

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

21. (A7B0) ARE ALL CHARGING WHIPS AND PORTS CAPPED OR DOUBLE BAGGED TO PREVENT CONTAMINATION?

REF: U.S. Navy Dive Manual

NAVSEA SS521-AA-MAN-010

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

22. (A7C0) ARE CHARGING WHIPS PROOF TESTED PRIOR TO INITIAL INSTALLATION WITH SUPPORTING OQE?

REF: Applicable PMS

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

23. (A7E0) ARE RUBBER FLEX HOSES WITHIN THEIR 12 YEAR SERVICE LIFE?
REF: NAVSEA S6430-AE-TED-010

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

F. UMBILICAL

24. (A7F0) IS THE SNAP SHACKLE OF THE APPROVED TYPE AND PROPERLY MARRIED TO THE UMBILICAL?
REF: NAVSEA SS521-AH-PRO-010 Umbilical Manual

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

25. (A7G0) ARE UMBILICAL INSPECTIONS AND TESTS BEING CONDUCTED?
REF: Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

26. (A7H0) ARE ALL HOSES, NUMBERED, LABELED AND LISTED ON EGL'S OR AS A SINGLE LINE ITEM ON PMS BOARDS?
REF: Applicable PMS

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

27. (A7I0) ARE ALL HOSES CAPPED OFF TO PREVENT CONTAMINATION (INCLUDING LEADER HOSES)?
REF: S6560-AG-OMP-010/UBA MK 21 MOD 1 REV 4

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

28. (A7J0) IS THE UMBILICAL ASSEMBLED SO THAT STRENGTH MEMBER ALWAYS CARRIES THE FULL STRAIN OF THE UMBILICAL?
REF: NAVSEA SS521-AH-PRO-010 Umbilical Manual

C R NA UA
☐ Repeat
☐ Significant
☐ PMS

29. (A7K0) DOES THE SURFACE END OF UMBILICAL HOSE HAVE PERMANENT TAG
WITH PROPER IDENTIFICATION (I.E. RED, GREEN OR YELLOW DIVER),
MANUFACTURER, DATE OF MANUFACTURE, TEST ACTIVITY, TEST PRESURE
AND DATE?

REF: NAVSEA SS521-AH-PRO-010 Umbilical Manual

C R NA UA

☐ Repeat

☐ Significant

☐ PMS

AIR SYSTEMS AND STOWAGE

COMMAND NAME:

LOCATION:

UIC:

DATE:

SURVEYOR(S):

NO. COMPLETE:

NO. REQ ACTION:

NOT APPLICABLE:

Q #	Question	Result				Sig	Rep	PMS
1	5ASA1B0	C	R	N	U			
2	5ASA1D0	C	R	N	U			
3	5ASA1E0	C	R	N	U			
4	5ASA1F0	C	R	N	U			
5	5ASA1H0	C	R	N	U			
6	5ASA1I0	C	R	N	U			
7	5ASA1J0	C	R	N	U			
8	5ASA1L0	C	R	N	U			
9	5ASA2B0	C	R	N	U			
10	5ASA2C0	C	R	N	U			
11	5ASA2E0	C	R	N	U			
12	5ASA3A0	C	R	N	U			
13	5ASA3B0	C	R	N	U			
14	5ASA3D0	C	R	N	U			
15	5ASA3F0	C	R	N	U			
16	5ASA4D0	C	R	N	U			
17	5ASA5H0	C	R	N	U			
18	5ASA5I0	C	R	N	U			
19	5ASA5I1	C	R	N	U			
20	5ASA7A0	C	R	N	U			
21	5ASA7B0	C	R	N	U			
22	5ASA7C0	C	R	N	U			
23	5ASA7E0	C	R	N	U			
24	5ASA7F0	C	R	N	U			
25	5ASA7G0	C	R	N	U			
26	5ASA7H0	C	R	N	U			
27	5ASA7I0	C	R	N	U			
28	5ASA7J0	C	R	N	U			
29	5ASA7K0	C	R	N	U			